1. Chelsea was 76 years old $13\frac{1}{2}$ years ago. How old is she now?

(Define the Variable) Let a = _____

Algebraic Equation **(-)**   _____

Solve Algebraically

                    Answer in Sentence: Chelsea is _____ years old now.

---

2. Jack went shopping for fishing gear at Gander Outdoors with a gift card that had a balance of $65. He purchased 4 fishing lures, a net, and a tackle box for $52.38. How much money did he have left?

(Define the Variable) Let m = _____

Algebraic Equation **(+)**   _____

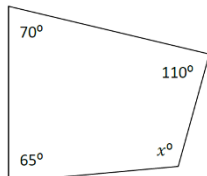Solve Algebraically

GONE FISHING

                    Answer in Sentence: Jack has _____ left on his gift card.

---

3. Set up an algebraic equation for finding the missing angle measure of the quadrilateral. Solve for the missing angle measure. (HINT: The 4 interior angles of a quadrilateral **TOTAL 360 degrees**.)

(Define the Variable) Let x = _____

Algebraic Equation **(+)**   _____

Solve Algebraically

70°
110°
65°
$x°$

                    Answer in Sentence: The missing angle measure is _____ degrees.

4. At a restaurant, **Perry <u>and</u> his five** friends divided the bill evenly. If the total bill was $67.80, how much did each person pay?

Let m = _____

Algebraic Equation (x)   _____

Solve Algebraically

Answer in Sentence: Each person paid $_____.

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5. It takes 6 lemons to make a bottle of lemonade. If the lemonade company made 70 bottles of lemonade, how many lemons did they use?
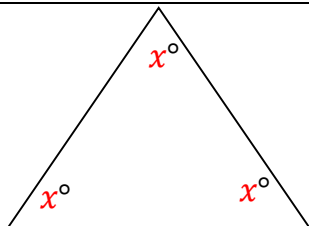
(Define the Variable) Let L = _____

Algebraic Equation (/)   _____

Solve Algebraically

Answer in Sentence: The Lemonade Company uses _____ lemons to make 70 bottles of lemonade.

---

6. (Geometry Connection) Determine the measure of the missing angle measures, $x°$. (**HINT**: This is an **EQUILATERAL TRIANGLE**)

$x°$

$x°$ $x°$

Pulling out the Important Information from the problem

Let x = _____

Algebraic Equation (x)   _____

Solve Algebraically

Answer in a Sentence: Each angle measures _____ º.